**IT Applications, Unit 4**

**Ch6, Developing a solution using spreadsheet software, p 192-195**

Case Study: Point Pleasant Social Service Program – organisational outline and current practice

Read the case study:

1 Complete the think about IT, 6-3 activity:

1. Which current practices at Point Pleasant High School have led to inaccurate information?

Counting the money by hand

1. What types of validation errors might occur using the current information processing methods?

Miscounting the money

Analysing the problem

1. in the analysis stage there are three parts, elaborate under each of the following:
   1. define the problem

find out what the problem is

* 1. solution requirements

What is required to fix the problem

* + 1. what is the difference between functional and non-functional attributes

Functional: What the solution must be able to do

Non-Functional: User friendliness, reliable, portable, robust and easy to maintain

* 1. constraints

Any limitations or other conditions

* + 1. list the constraints

cost, speed of processing, requirements, security, compatibility

* 1. scope of solution

what the solution will and will not be able to do

* + 1. Describe the scope or the extent of the solution.